



ESTD. 1981

# Reflections

## ECE News Letter Maturi Venkata Subba Rao (MVSR) Engineering College

(Sponsored by Matrusri Education Society – ESTD: 1980)

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Department of Electronics and Communication Engineering of the college offers B.E. program in Electronics and Communication Engineering stream. The department also offers a postgraduate program M.E. (Embedded Systems & VLSID).

**Vision**

To impart technical education of highest standards in Electronics and Communication Engineering, producing technically competent engineers.

**Mission**

The department strives to provide the engineering foundation as well as professional, innovative and leadership skills to the students through the following activities:

- M1. To impart adequate fundamental knowledge in Electronics and Communication Engineering.
- M2. To maintain a creative balance of academic, professional and extracurricular activities.
- M3. To create climate conducive to excellent Teaching Learning Process with highest standards of Engineering and Technology.
- M4. To nurture creativity in students with excellent communication skills and teamwork.
- M5. To contribute to advancement in Electronics and Communication Engineering with educational collaborative efforts.
- M6. To make positive contribution to meet societal needs and promote the value of ethical behaviour.

## 1. Department Highlights

- Total 66% of students placed in different companies through campus recruitment.
- Department conducted “A two-day National level student technical fest AANVIK2K19” on 13<sup>th</sup> and 14<sup>th</sup> March 2019
- Department conducted “A two-day National level student technical event “Technovanza 2019” on 11<sup>th</sup> and 12<sup>th</sup> March 2019

## 2. Editor's Desk



Dr.S.P.Venu Madhava Rao,  
Professor & HOD

I congratulate the Editorial committee of ECE Department News letter for their untiring efforts I bringing out this volume of “REFLECTIONS” giving the details of activities and achievements of faculty and students of ECE Department for the year 2019. My pleasure in bringing out the editor's note on the activity which are compiled by the Editorial board.

I am happy to note that DRDO has awarded one consultancy project for execution at a cost of approximately 9.8 Lakhs. This gives tremendous confidence to the faculty in their capability. I am sure the faculty and staff put their maximum efforts for all round development of ECE Department. I congratulate B.Shivani, K.Shreekalpa, K.Shireeshaand K.V. Sai Dheeraj for getting OU Ranks 1<sup>st</sup>,5<sup>th</sup>,6<sup>th</sup>, & 8<sup>th</sup>. I wish the students of final year all success in their careers.

### PROGRAM EDUCATIONAL OBJECTIVES

Electronics and Communication Engineering is a broad discipline that incorporates skills and expertise in the areas which are essential to most sectors of Industry.

PEO1: Excel in comprehension of basic sciences and engineering facilitating professional accomplishments and/or pursue higher qualification with an appreciation to lifelong learning.

PEO2: Provide solutions to real time problems by designing, analyzing, demonstrating creativity and innovations to enable the development of State of Art equipment and technologies of multidisciplinary nature for societal requirements.

PEO3: Inculcate positive attitude, professional ethics, effective communication and interpersonal skills to succeed in chosen profession, as a team member and as a Team leader.

### PROGRAM SPECIFIC OUTCOMES

1. To design and investigate complex Electronics and communication systems for multi disciplinary tasks.
2. To use modern Electronic Design Automation (EDA) tools and state of art softwares to synthesize and implement Electronics and Communication Systems.

### Journal paper publications

S.No	Name of the Staff	Title of the Paper	Name of Journal	ISSN NO & P.P NO, Vol.& Issue	Month & Year	National / International
1	V.Rajitha Rani	High Speed in-Field for Faults in FIFO Buffers of NoC Routers	International Journal of Modern Electronics and Communication Engineering	ISSN:2321-2152, PP:5-10 Vol-7, Issue-4	July, 2019	International
2	Smitashree M	Design Of Fir Filters Using Reversible Circuits	International Journal of Engineering Science and Generic Research	ISSN:2456-043X, PP:16-22, Vol-5, Issue-4	August, 2019	International
3	SVR. Manimala	Convolution Neural Network for Sparse Reconstruction of MR Images Interposed with Gaussian Noise	Journal of Circuits, Systems and Computers	ISSN ONLINE- 1793-6454, PP.1-21, Vol-29, Issue-7, <a href="https://doi.org/10.1142/S0218126620501169">https://doi.org/10.1142/S0218126620501169</a>	Sep, 2019	International

### Conference Papers:

S.No	Name of the Faculty	Topic	Name of the Conference	ISBN number/ Volume No., Page No.	Date
1	Dr. B. Sarala	Voice & Image BER Analysis of OFDM system with MECCT and MLNST companding Techniques over mobile radio channels	4 <sup>th</sup> International Conference IEEE (ICIEEE-2019)	978-981-15-2255-0	26-27th July,2019
2	M. Zaheer Ahmed	Voice & Image BER Analysis of OFDM system with MECCT and MLNST companding Techniques over mobile radio channels	4 <sup>th</sup> International Conference IEEE (ICIEEE-2019)	978-981-15-2255-0	26-27th July,2019
3	S. Sree Hari	Voice & Image BER Analysis of OFDM system with MECCT and MLNST companding Techniques over mobile radio channels	4 <sup>th</sup> International Conference IEEE (ICIEEE-2019)	978-981-15-2255-0	26-27th July,2019
4	T. Kavitha	Efficient Multimedia Data Transmission Model for Future Generation	Wireless Network. In Lecture Notes in Electrical Engineering,	978-981-15-2612-1	15-16th Nov,2019

### Events Organized by the Department

#### 1) Two day National level student technical fest ( AANVIK 2K19)

AANVIK 2K19 is an annual technical fest conducted by the Department on 13<sup>th</sup> and 14<sup>th</sup> March, 2019. It is a two-day event comprising a number of technical, Robotic and fun events. AANVIK 2K19 poster was released two weeks before the event by our college treasurer, principal and staff of the Department.

There are many technical events like Paper presentation, Poster presentation, Project Expo, Robotics, Wire-O-Thon etc. along with Fun events like Snake and Ladder. The Wire-O thon and Paper presentation events got huge response. Students



from various colleges participated in all the events.

## 2) Parent Teacher Meeting

The Department has organized Parent Teacher meeting on 27th September, 2019. The main purpose of the Parent Teacher meeting was to create a common platform, where teachers and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding all round development of students.



## 3) Department Updates

### Guest lecturers / Training session / Seminars/workshops/FDPs

- Department Organized workshop on 'eSim a First Course in the IoT Series for Teachers' on 21-09-2019.
- Department Organized Guest lecture on 'Amateur Radio' on 02-06-2019.
- Department Organized guest lecture on 'Talk on VIDYA' on 27-02-2019.
- Department Organized 3-Day Training Program on Cadence Tools on 04/08/2019 to 06/08/2019
- Department Organized Hands on Training Program on LabVIEW Core-1 from 8/02/2019 to 02/03/2019.
- Department Organized One-week technical development program on 'Enhancing laboratory skills in AEC' on 25<sup>th</sup> NOV to 1<sup>st</sup> DEC 2019



- Department received 9.8 lakhs from DRDO for the research innovation Regarding Health monitoring of flight vehicle sub systems

- In the department BATHUKAMMA was celebrated on 5-9-2019



- ISOI student chapter has been started on 29-10-2019.



- Inaugurated the renovated Conference Hall on 3-8-2019



- Department conducted first year induction program on 5-8-2019.
- IEEE CAS (IEEE MVSR STUDENT CHAPTER) started and had technical talk on Energy harvesting applications on 11-9-2019



- In the Department a seminar is organized by Texas Review on Higher education opportunities on 25-10-2019



- Department organized Alumni meeting on 21-12-2019.



PROGRAMME	
10:00	Alumni Registration
10:30	Welcome by the Alumni
	Introduction of the Alumni Association, Officers/Elected of the Department Council/Committee
10:45	Inauguration of the Meet
11:00	Lighting of the lamp
11:15	Inauguration
11:30	Address by Principal/ Vice-Principal
11:45	Address by the Ex-Officio Members of the M&A
12:00	Address by the Alumni
12:30	Introduction to the Session/Refreshment break
12:45	Business of the Year Award
1:00	Alumni Address/Remarks/Remarks by the Alumni
1:15	Vote of thanks
	Prayers/Audience
1:30	Lunch
2:30	Visit to the respective Departments
4:00	Tea in the Department



#### 4) Faculty Updates

- Mrs. T .KAVITHA, Assoc.Prof. Had received best teacher award.

## Student Achievements

### 1) OU Ranks

The following final year students of batch 2015-2019 secured OU ranks as stated below

Student name	Hall ticket number	OU
BANURI SHIVANI	2451-15-735-125	1
KALIGOTLA SHREEKALPA	2451-15-735-124	5
K SHIREESHA	2451-15-735-088	6
KAKARAPARTHI VENKATA SIVA SAI DHEERAJ	2451-15-735-001	8

### 2) Prizes Won by the students in inter college events

S.No	Name of the Student	Nature of Recognition/Award	Particulars	Recognition by/Awarded by	Date of Achievement
1	Prudhvi K	1st Prize	CRICKET, ATHLEMA-2K19	MVSREC	15-03-2019 & 16-03-2019
2	Mashish	2nd Prize	Volleyball, ATHLEMA-2K19	MVSREC	15-03-2019 & 16-03-2019
3	K. Krishnavyas	2nd Prize	WIDYOUTH 2K19	MVSREC	14-03-2019 & 15-03-2019
4	J Uttej	2nd Prize	PAPER PRESENTATION, InforIThm 2k19	MVSREC	13-03-2019 & 14-03-2019
5	S. Laxmi Prasanna	2nd Prize	Poster presentation, Inforithm2k19	MVSREC	13-03-2019 & 14-03-2019
6	KSR Sidharth	2nd prize	Moc Interview, Aanvik 2k19	MVSREC	13-03-2019 & 14-03-2019
7	KSR Sidharth	1st prize	Fun with Focus, Aanvik 2k19	MVSREC	13-03-2019 & 14-03-2019
8	R Sathish Kumar	1st prize	Crypto Hunt, Technovanza2K19	MVSREC	11-03-2019 & 12-03-2019
9	Nafeesa	2nd prize	Spell down, TECHNOVANZA2K19	MVSREC	12-03-2019

### 3) Placement Record

year	No. of Companies Visited	No. Of Students Selected	Salary Per annum
2019	22	127	7.6 Lakhs Max (Deloit)